

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: POLYURETHANE LEAK  
PRODUCT CODE: PV-343

HMIS CODES: H F R P  
1 2 0 0

## ===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: Lanco Mfg.  
ADDRESS: URB. APUNTE #5 SAN LORENZO PR, 00754  
EMERGENCY PHONE: 1-800-424-9300 INFORMATION PHONE: (787) 736-4221  
DATE REVISED : 01-01-79 NAME OF PREPARER : VICTOR M. HERNANDEZ

## ===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER		
ALIPHATIC SOLVENT	64742-88-7	500 PPM	100 PPM	N/A	2.0	68F
*COBALT0 12%	MIXTURE	500 PPM	100 PPM	N/A	1.0	77F ( 0.5%
SKIN #2	96-29-7	N/A	N/A	N/A	10.0	115F

\* indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

## ===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 300 to 380 Deg F SPECIFIC GRAVITY (H2O=1): 0.9  
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN EITHER  
COATING V.O.C. : 3.37 LB/6L ( 404 G/L)  
MATERIAL V.O.C. : 2.20 LB/6L ( 264 G/L)  
SOLUBILITY IN WATER: NON SOLUBLE  
APPEARANCE AND ODOR:

## ===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 100 Deg F METHOD USED:  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

### SPECIAL FIREFIGHTING PROCEDURES

RESPIRATORY EQUIPMENT SHOULD BE WORN TO AVOID INHALATION OF CONCENTRATED VAPOR. WATER SHOULD NOT BE USED EXCEPT AS FOG TO  
KEEP NEARBY CONTAINERS COOL.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

EXTREMELY FLAMMABLE. VAPORS MAY IGNITE EXPLOSIVELY AND/OR CAUSE FLASH FIRES. ELIMINATE SOURCES OF IGNITION. NO SMOKING.  
USE ADEQUATE CROSS VENTILATION SUFFICIENT TO REMOVE ODOR OF SOLVENT AND VAPORS.

## ===== SECTION V - REACTIVITY DATA =====

## STABILITY: STABLE

## CONDITIONS TO AVOID

EXCESSIVE HEAT, POOR VENTILATION, CORROSIVE ATMOSPHERES, EXCESSIVE ABING.

## INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS, STRONG ACIDS AND OXIDIZING MATERIALS, ALKALINE MATERIALS.

## HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.

## HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

NONE

## ===== SECTION VI - HEALTH HAZARD DATA =====

## INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

ACUTE SIGS OF OVEREXPOSURE COULD BE HEADACHE, DIZZINESS NAUSEA, UPPER RESPIRATORY DRYNESS & IRRITATION, DROWSINESS, MENTAL DEPRESSION OR NARCOSIS.

## SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: SEVERE IRRITATION, TEARING, REDNESS AND BLURRED VISION.

## SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION, AND DERMATITIS.

## INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, AND DIARRHEA.

## HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION-DIZZINESS, BREATHING DIFFICULTY, HEADACHES, & LOSS OF COORDINATION. EYE CONTACT-SEVERE IRRITATION, TEARING, REDNESS, AND BLURRED VISION. SKIN CONTACT- CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS. INGESTION-CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING NAUSEA, & DIARRHEA. NO CHRONIC HEALTH EFFECTS.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

NONE

## MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

ANESTHESIA, RESPIRATORY TRACT IRRITATION, DERMATITIS, NAUSEA, VOMITING.

## EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION. EYE CONTACT- FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. SKIN CONTACT- WASH THOROUGHLY WITH SOAP AND WATER AND SEE A DOCTOR. INGESTION DO NOT INDUCE VOMITING, CAN CAUSE CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. CONTACT PHYSICAL IMMEDIATELY.

## ===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

ELIMINATE IGNITION SOURCES, PROVIDE GOOD VENTILATION, DIKE SPILL AREA ADD ABSORBENT EARTH OR SANDUST TO SPILLED LIQUID. THOROUGHLY WET W/ WATER AND MIX.

**WASTE DISPOSAL METHOD**

COLLECT ABSORBENT/ WATER/ SPILLED LIQUID MIXTURE INTO METAL CONTAINERS AND ADD ENOUGH WATER TO COVER. CONSULT LOCAL, STATE & FEDERAL HAZARDOUS WASTE REGULATION BEFORE DISPOSING INTO APPROVED HAZARDOUS WASTE LANDFILLS. OBEY RELEVANT LAW.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE 60-85 F OUT OF SUN. USE ADEQUATE VENTILATION TO AVOID BREATHING VAPOR WHEN COVER REMOVED. KEEP AWAY EXCESSIVE HEAT AND OPEN FLAMES.

**OTHER PRECAUTIONS**

GROUND ALL EQUIPMENT WHEN HANDLING FLAMMABLE SOLVENT BORNE MATERIALS. SMOKING IN AREA WHERE THIS MATERIAL IS USED SHOULD BE STRICTLY PROHIBITED.

## ===== SECTION VIII - CONTROL MEASURES =====

**RESPIRATORY PROTECTION**

WHEN SPRAYING THIS MATERIAL USE A NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS MASK SUITABLE TO KEEP AIRBORNE MISTS AND VAPOR CONCENTRATIONS BELOW THE TIME WEIGHTED THRESHOLD LIMIT VALUES. WHEN USING IN POORLY VENTILATED AND CONFINED SPACES, USE A FRESH-AIR SUPPLYING RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS.

**VENTILATION**

SUFFICIENT TO KEEP WORKROOM CONCENTRATION BELOW TLV. VENTILATION EQUIP. MUST BE EXHAUSTION PROOF.

**PROTECTIVE GLOVES**

CHEMICALS RESISTANT GLOVES.

**EYE PROTECTION**

USE CHEMICAL SAFETY GLASSES, GOGGLES, AND FACESHIELDS FOR EYE PROTECTION.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

USE IMPERMEABLE APRONS AND PROTECTIVE CLOTHING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT. THE USE OF HEAD CAPS WHENEVER POSSIBLE IS STRONGLY RECOMMENDED.

**WORK/HYGIENIC PRACTICES**

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE IS RECOMMENDED.

## ===== SECTION IX - DISCLAIMER =====

**DISCLAIMER**

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED BY THIS COMPANY TO BE ACCURATE, BUT WE DO NOT ASSUME ANY LIABILITY FOR ITS ACCURACY. WE NEITHER SUGGEST NOR GUARANTEE THAT ANY HAZARDS MENTIONED ARE THE ONLY ONES WHICH EXIST. THE MANNER OF THAT USE AND WHETHER THERE IS ANY INFRINGEMENT OF PATENTS IS THE SOLE RESPONSIBILITY OF THE USER.